

Special Issue

Recent Advances in Geospatial Data Analytics for Environmental Studies

Message from the Guest Editors

In the past decade, advancements in technology have led us to the era of Big Earth data and Artificial Intelligence. Various sensor types are now equipped in onboard satellite, airborne, UAV platforms and even IoT technologies and social media data also contribute significantly to geospatial data collection. The increasing availability of such geospatial data at multiple spatial, temporal and spectral resolutions enables the monitoring and capturing of timely environmental phenomena from different perspectives. In this Special Issue, we welcome the novel geospatial data analytics for environmental studies. The submission covers, but is not limited to, the following topics.

- Data analytics for multiscale environmental monitoring
- Multi-modal data integration, including ground-based, IoT data observation and crowd-sourced data.
- High-performance cloud computing (and quantum computing) for geospatial environment
- Machine learning and AI in environmental GIS, geospatial data downscaling and fusion
- Data-driven time-series and geospatial modelling for environmental management

Guest Editors

Prof. Dr. Tuong-Thuy Vu

Dr. Salvatore Gonario Pasquale Virdis

Prof. Dr. Armando Apan

Deadline for manuscript submissions

closed (31 December 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/142700

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)